

Translation

## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

WIPO

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference IEE030033PCT		<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. PCT/CN03/01012	International filing date (day/month/year) 27.11 月 2003 (27.11.2003)	Priority date (day/month/year)	
International Patent Classification (IPC) or national classification and IPC IPC <sup>7</sup> : H04Q7/00 H04J13/00			
Applicant UTSTARCOM (CHINA) CO. LTD. et al.			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 30 May 2005 (30.05.2005)		Date of completion of this report 24. Jun 2005 (24.06.2005)	
Name and mailing address of the IPEA/CN The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088		Authorized officer Fu Haiwang	
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**Box No. I Basis of the report**1. With regard to the **language**, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- ☒ the international application as originally filed/furnished
- ☐ the description:
- |         |       |                                     |
|---------|-------|-------------------------------------|
| pages   | _____ | as originally filed/furnished       |
| pages * | _____ | received by this Authority on _____ |
| pages * | _____ | received by this Authority on _____ |
- ☐ the claims:
- |         |       |   |
|---------|-------|---|
| pages   | _____ | as originally filed/furnished                             |
| pages * | _____ | as amended (together with any statement) under Article 19 |
| pages * | _____ | received by this Authority on _____                       |
| pages * | _____ | received by this Authority on _____                       |
- ☐ the drawings:
- |         |       |                                     |
|---------|-------|-------------------------------------|
| pages   | _____ | as originally filed/furnished       |
| pages * | _____ | received by this Authority on _____ |
| pages * | _____ | received by this Authority on _____ |
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. Statement:

Novelty (N)	Claims 1—33	YES
	Claims	NO
Inventive step (IS)	Claims 1—33	YES
	Claims	NO
Industrial applicability (IA)	Claims 1—33	YES
	Claims	NO

## 2. Citations and explanations (Rule 70.7)

The following document is cited here:

D1: CN1360446A

D2: CN1423495A

D3: WO9845966A2

in which:

D1 discloses Radio resources allocation method e.g. for controlling allocation of up/down link radio resources to mobile stations linked to base station, involves detecting use-state information of radio resources; D2 discloses Base station for wireless communication system, has radio resource controller that allocates priority radio resources which are usable by mobile station to radio channel by using quantity of stored packets; D3 discloses Data transmission scheduling in communication network - determining reverse link capacity available and assigning and sending transmission rate to user based on available capacity.

The invention defined in claims 1-33 is not disclosed by any of these documents.

The cited prior art doesn't give an indication that would lead a person skilled in the art to the **METHOD OF WIRELESS CHANNEL RESOURCE ALLOCATION AND RATE CONTROL IN A CDMA COMMUNICATION SYSTEM**. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claim 1-33 is novel and is considered to involve an inventive step. The invention is industrially applicable.